

## ABSTRACT OF THE INVENTION

A dual band linear antenna array, having a set of radiator constructed by four elongate metal plates. The metal plates are arranged to form a rectangular array. By serially connecting to a signal feed terminal, the roots  
5 of the metal plates are connected to a copper tube via a coaxial cable external conductor (ground signal). Three of the metal plates have the same length, which is about one quarter wavelength of the high-frequency electric wave received thereby and transmitted therefrom. The other metal plate has the length longer than these three metal plates at about one quarter  
10 wavelength of a low-frequency electric wave received thereby and transmitted therefrom. Thereby, an array of dual band antenna is obtained to achieve omni-directional reception and transmission of radiation.